

## Your benefits



- | Centerless grinding technology by TSCHUDIN and honing technology by DEGEN supplement the BAHMÜLLER product range, following the principle of a turnkey solution provider.
- | Synergies in process development from raw part to finished component tailor the workpiece finishing precisely according to your requirements:
  - | excellent quality and efficiency in your process chain for ultra-precise machining.
- | BAHMÜLLER offers outstanding local support in the USA, China, India, Romania, Russia/Eastern Europe, Italy, Scandinavia, Turkey, Korea, and Thailand through its subsidiary companies and service networks.
  - | Projects are coordinated from planning to production by experienced experts.
  - | Local consulting and support with 'one face to the customer' creates long-term, sustainable customer relationships.
  - | Fast, flexible, and reliable on site service incl. replacement parts delivery – all from a single source.
- | Together the partners BAHMÜLLER, TSCHUDIN and DEGEN cover all application needs for key fine finishing technologies in the areas of
  - | Automotive  
(fuel injection, turbocharging, valve train, transmissions)
  - | Ball bearings
  - | Hydraulics
  - | Aerospace
  - | Medical technology
  - | General precision components
- | BAHMÜLLER is the representative of
  - | DEGEN worldwide (outside Germany)
  - | TSCHUDIN in the NAFTA region

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**TSCHUDIN**



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Success. Faster. Together.

Leading-edge  
Sub-Micron  
Technologies



**T<sup>®</sup>SCHUDIN** as an international manufacturer of high-tech, high-performance machines is specialized in the development and production of centerless grinding machines.

The company has been family-owned for over 70 years. T<sup>®</sup>SCHUDIN is a well-known brand in the grinding machine industry.

As a long-term, respected market player in precision grinding, T<sup>®</sup>SCHUDIN offers consistently top performance: with market and technological expertise, T<sup>®</sup>SCHUDIN develops creative solutions, flexibility, endurance, and last but not least close collaboration with customers.

The ecoLine/proLine series and compact Cube grinding machines allow users to work to the technological limit – with excellent reliability and proven, simple operation. The result of this interaction are ground parts with precision in sub-micron level.

Buyers worldwide trust the excellent reliability of T<sup>®</sup>SCHUDIN machines, obtaining key competitive advantages thanks to patented designs.

**BAHMÜLLER** is an innovative family-owned company with over 70 years of tradition and more than 360 employees worldwide.

The business unit Precision Grinding develops and produces products 'Made in Germany' and sells machines and grinding process technology worldwide for flexible, modifiable, and high tech grinding processes with integrated, dynamic automation options for large-scale series production of precision parts.

Our primary goals are minimum cost per piece with maximum of process stability. We achieve these goals through short cycle times and excellent machine availability, maximum machining and process combination, and implementing multi-station solutions.

Our customers mainly include major international OEM and Tier-1 suppliers in the automotive industry (valve train, gasoline GDI, turbocharger, transmission).

As a technology leader in precision grinding of automotive components, we work with our technological partners T<sup>®</sup>SCHUDIN and DEGEN to serve as a competent solution provider along the entire value chain.

**DEGEN** with 50 years of mechanical engineering history is a 2nd generation family company. Since 2010, the enterprise has collaborated with HoningDesign to concentrate exclusively on developing and producing high-speed honing machines.

Fully equipped machines work with the specified autonomy and integrated post-process measurement equipment and control the process over long time periods without manual interaction.

By developing high-speed honing machines, the company has created a unique selling principle on the world market. The goal of every new product line is to minimize lead times, honing operations, space requirements, emissions, costs, etc..

'Vision Ultimate' high speed honing machines by DEGEN are key players in many sectors where bore holes are honed. They offer customers unbeatable benefits in comparison to conventional honing machines.

The high-speed honing machines are used by OEMs, Tier-1 suppliers, automotive suppliers, and in the aerospace and medical technology industries.

